

# Converting Colors

XYZ(74.7327, 38.6250, 34.1863)

Have a look what the booklet for  
XYZ(74.7327, 38.6250, 34.1863)  
contains.

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# Color

**XYZ(47.5892, 24.6261,  
32.8169)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF209A
RGB	255, 32, 154
RGB Percent	100%, 13%, 60%
CMY	0.0000, 0.8744, 0.3961
CMYK	0.00, 0.87, 0.40, 0.00
HSL	327°, 100%, 56%
HSV	327°, 87%, 100%
XYZ	47.5892, 24.6261, 32.8169
YIQ	112.5850, 93.7460, 85.2180

# Conversions

## Conversions Part 2

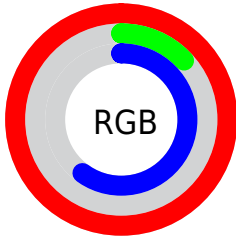
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 32, 154
Decimal	16720026
CIE <sub>Lab</sub>	56.71, 83.63, -8.73
CIE <sub>LCh</sub>	57, 84.086, 354.039
Yxy	24.6261, 0.4531, 0.2345
Android (android.graphics.Color)	4294910106 (0xFFFF209A)
YUV	112.5850, 20.4176, 124.8980
Hunter-Lab	49.6247, 84.3351, -4.4713

# Details

The XYZ color **47.5892, 24.6261, 32.8169** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **40.5918, 73.5215, 34.2513**, and the grayscale version is **15.4995, 16.3066, 17.7579**.

A 20% lighter version of the original color is **58.0938, 36.7513, 63.7063**, and **24.1864, 12.1857, 13.9093** is the 20% darker color. If you saturate the color by 10%, you get **46.2271, 23.3682, 27.8426**, and if you desaturate by 10%, it is **49.5710, 26.9752, 38.4548**.

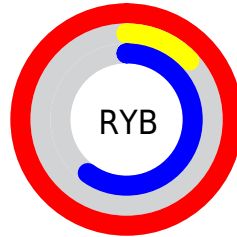
# Distribution



Red (100%)

Green (13%)

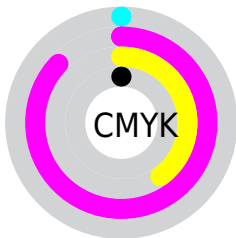
Blue (60%)



Red (100%)

Yellow (13%)

Blue (60%)

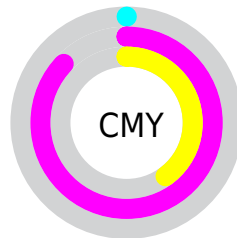


Cyan (0%)

Magenta (87%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (87%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5892, 24.6261, 32.8169 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 47.5892, 24.6261, 32.8169 by changing the saturation by 10% instead.




 47.5892, 24.6261,  
32.8169


 47.5892, 24.6261,  
32.8169


367.7712,  
275.9707, 329.4305


 33.7116, 15.7987,  
21.7162


 85.8059, 51.0500,  
65.2023


 22.8340, 9.3818,  
13.4522

 110.8756, 69.4153,  
87.3241


 14.5910, 4.9911,  
7.6063


 140.4067, 91.7287,  
113.9567

 8.6173, 2.2420,  
3.7599

 174.7647,  
118.3745, 145.5186

 4.5475, 0.7428,  
1.4946

 214.3147,  
149.7373, 182.4284

 2.0163, 0.0000,  
0.2139

259.4223,

 0.6431, 0.0000,

186.2013, 225.1047

0.0000

310.4527,  
228.1510, 273.9658

■ 0.0000, 0.0000,  
0.0000

■ 47.5892, 24.6261,  
32.8169

■ 47.5892, 24.6261,  
32.8169

■ 46.2271, 23.3682,  
27.8426

■ 49.5710, 26.9752,  
38.4548

■ 45.9363, 23.1385,  
26.6606

■ 52.2811, 30.6289,  
44.8045

■ 55.8057, 35.7555,  
51.9066

■ 60.2177, 42.4970,  
59.7969

■ 65.5813, 50.9786,  
68.5078

71.9547, 61.3130,  
78.0693

79.3910, 73.6031,  
88.5097

87.9397, 87.9446,  
99.8554

95.0499, 100.0000,  
108.9000

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.2068, 24.6261, 72.6177



47.5892, 24.6261, 32.8169



45.1725, 24.6261, 10.2931

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.5892, 24.6261, 32.8169



16.5402, 24.6261, 1.5592



13.9945, 24.6261, 98.4872

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47.5892, 24.6261, 32.8169



40.5918, 73.5215, 34.2513

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



10.0721, 24.6261, 55.3448



47.5892, 24.6261, 32.8169



11.2291, 24.6261, 5.9704

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.5892, 24.6261, 32.8169



25.4181, 24.6261, 0.9890



9.2239, 24.6261, 21.5911



21.5037, 24.6261, 124.2390



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.5892, 24.6261, 32.8169



39.7299, 24.6261, 4.0769



9.2239, 24.6261, 21.5911



12.3072, 24.6261, 84.5267

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47.5899, 24.6275, 32.8173



72.9594, 62.9608, 79.5188



28.1400, 13.1894, 95.6702



15.1073, 12.6429, 16.2810



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.5899, 24.6275, 32.8173



45.9364, 23.1385, 26.6607



42.1964, 22.4701, 4.4155



18.4251, 18.1534, 20.8559



24.0791, 12.1209, 14.3329



2.3996, 1.2022, 1.6858



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47.5899, 24.6275, 32.8173



45.9364, 23.1385, 26.6607



52.6629, 78.3500, 97.8169



18.4251, 18.1534, 20.8559



24.0791, 12.1209, 14.3329



2.3996, 1.2022, 1.6858



# Previews

## White Background



This preview shows how the XYZ color 47.5892, 24.6261, 32.8169 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

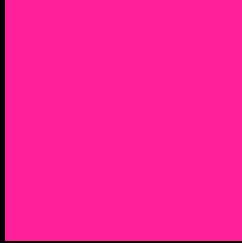
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.5892, 24.6261, 32.8169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 47.5892, 24.6261, 32.8169**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.5892, 24.6261, 32.8169.



This preview shows how white text looks on a background with the XYZ color 47.5892, 24.6261,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

47.5892, 24.6261, 32.8169

### Protanopia

26.8636, 25.0722, 68.3893

### Deuteranopia

25.2418, 24.6887, 29.4216



## Tritanopia

42.4467, 24.6501, 8.1510

# Trichromacy



## Original Color

47.5892, 24.6261, 32.8169



## Protanomaly

28.3975, 19.8732, 52.7913



## Deuteranomaly

29.6990, 20.9114, 30.0748



## Tritanomaly

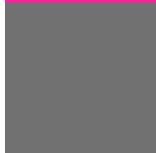
43.7643, 24.2539, 14.4314

# Monochromacy



## Original Color

47.5892, 24.6261, 32.8169



## Achromatopsia

15.6958, 16.5132, 17.9829



## Achromatomaly

22.5837, 15.8985, 22.3005

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.5892, 24.6261, 32.8169 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 32, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 32, 154)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 32, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 32, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 47.5892, 24.6261, 32.8169 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 32, 154) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 32, 154) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 32, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 32, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 32, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 32,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.5892, 24.6261, 32.8169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 32, 154) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 32,  
154) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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